GOVERNMENT OF INDIA
POWER
LOK SABHA

STARRED QUESTION NO:111
ANSWERED ON:27.11.2000
PRIVATE INVESTMENT IN POWER SECTOR
PRIYA RANJAN DASMUNSI;SHIVAJI VITHALRAO KAMBLE

Will the Minister of POWER be pleased to state:

(a) the details of reforms effected in power sector to attract private investment in power generation transmission and distribution network;

(b) the details of private investment proposals cleared by the Planning Commission and Central Electricity Authority (CEA) since the announcement of privatization policy and actual investment made over the period, State-wise;

(c) the details of completed and ongoing projects in private sector with estimated cost and its capacity and progress made, project-wise;

(d) the details of fresh proposals received by the Government, State-wise; and

(e) the action taken by the Government to clear these projects?

Answer

THE MINISTER OF POWER (SHRI SURESH P. PRABHU)

(a) to (e) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO.111 TO BE ANSWERED IN THE LOK SABHA ON 27.11.2000 REGARDING PRIVATE INVESTMENT IN POWER SECTOR.

(a) : Some of the steps taken by the Government for simplifying and decentralizing the procedure for clearance of private power projects and to attract more companies in the power sector, are :

- minimizing the number of clearances required to be obtained for the purpose of appraisal of the private power projects by Central Electricity Authority (CEA).

- minimizing the role of the Foreign Investment Promotion Board by providing for automatic approval for foreign equity in selected categories and enlarging the provisions for automatic approval for such projects. Accordingly, projects for electric generation, transmission and distribution will be permitted foreign equity participation up to 100% on the automatic approval route without any limit.

- delegating more powers for environmental clearance to State Governments.

- raising the limits for power projects which require the clearance from CEA.

- preparation of a shelf of projects to facilitate early execution and reduction of time required for preparation.

- close monitoring at various levels to expedite clearances, remove bottlenecks and to resolve the `last mile` problems in achieving financial closure.

- the Electricity Regulatory Commissions Act, 1998 has been enacted which enabled setting up of the Central Electricity Regulatory Commission and the State Electricity Regulatory Commissions.

- the Electricity Laws Amendment Act, 1998 was enacted to make transmission as a distinct activity for encouraging greater participation in the investment in the private sector.

- a policy on Hydro Power Development was initiated for accelerating the pace of hydro power development in order to exploit vast hydro-electric potential at faster pace, increase the private investment, promote small and mini hydel projects.

- the development of mega power projects at mine pit-heads and coastal location both in public and private sector with transmission facilities for evacuation of power to other regions was encouraged.

(b) : Since the inception of the private power policy of the Government of India till date, Central ElectricityAuthority (CEA) has accorded techno-economic clearance (TEC) to 57 projects having an aggregatecapacity of 29362.3 MW involving an estimated cost of Rs.122008.61 crores for which complete Detailed Project Reports (DPRs) had been received.The Planning Commission does not clear investment proposals for private sector power projects. Details of the projects accorded TEC by CEA are given in Annexure-I. The actual investments involved are known only after these projects achieve financial closure, complete construction and the completion cost/firm financial package (FFP) is approved by the CEA.Out of the 57 projects accorded TEC, the FFP in respect of 5 projects has been approved by CEA, the details of which are indicated in Annexure-II.

(c) : Of the private power projects which have been accorded TEC by CEA, details of the completed and ongoing projects are given in Annexure-III and Annexure-IV.The Jojobera power project mentioned in thelist of projects under construction (annexure-IV), has also been partially commissioned.

(d) & (e) : Details of the schemes for setting up power projects in the private sector in the country for which the Detailed Project Reports have been received in CEA for consideration of TEC, indicating theirestimated completed costs, the project promoters, capacity, pending inputs/clearances and action taken by CEA, are given in Annexure-V.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF STARRED QUESTION NO.111 TO BE ANSWERED IN THE LOK SABHA ON 27.11.2000 REGARDING PRIVATE INVESTMENT IN POWER SECTOR.

Private power projects which have been accorded techno-economic clearance of Central Electricity Authority

S.N.	NAME OF THE PROJECT	CAP(MW)	COST(Rs/Crores)
	Himachal Pradesh		
1	Baspa Stage - II HEP (M/s JPIL)	300	949.23
2	Malana HEP(M/s Rajasthan Spinning & Weaving Mills Lt)	86	341.911
	Uttar Pradesh		
3	Vishnuprayag HEP (M/s JPIL)	400	1614.6
4	Rosa TPP (M/s. Indo-Gulf Fertilizers)	567	2432.10
5	Srinagar HEP (M/s Duncans North Hydro Power Co. Ltd.)	330	1699.12
	Rajasthan		
6	Dholpur CCGT (M/s RPG Dholpur Power Co.Ltd.)	702.7	2294.078
7	Barsingsar TPP(M/s Hindustan Vidyut Corporation Ltd.)	500	2106.635
	Madhya Pradesh		
8	Maheshwar HEP(M/s. S. Kumars Ltd.)	400	1500
9	Korba(East)TPP (M/s Daewoo Power)	1070	4690.00
10	Bina TPP (M/s. Bina Power Supply Co. Ltd.)	578	2443
11	Narsinghpur CCPP(M/s GBL Power)	166	531.24
12	Korba (West) Extn. (M/s ITPL)	420	1766.78
13	Guna CCGT (M/s. STI Power India Ltd.)	330	1079.39
14	Pench TPP (M/s. Pench Power Ltd.)	500	2183.50
15	Bhilai TPP (M/s Bhilai Power Sup Comp.)	574	2489.71
16	Raigarh TPP(M/s Jindal Power Ltd.)	550	2411.80
17	Bhander CCGT (M/s Bhander Power Ltd.)	342	1048.072
18	Pithampur DGPP (M/s Shapoorji Pallonji Power Co.Ltd.)	119.7	442.096
19	Ratlam DGPP (M/s GVK Power (Ratlam) Ltd.)	118.63	451.294
20	Khandwa CCGT (M/s Madhya Bharat Energy Corp. Ltd.)	171.17	550.667
	Gujarat		

21 Paguthan CCGT (M/s Gujarat Torrent) 654.7 2298.14
22 Hazira CCGT (M/s. Essar Power Ltd.) 515.0 1666.56
23 Baroda CCGT (M/s. GIPCL) 167.0 368.22
24 Surat Lignite TPP (M/s GIPCL) 250.0 1167.189
25 Jamnagar TPP (M/s Reliance Power Ltd.) 500.0 2550.741

Maharashtra

26 Dabhol CCGT (M/s. Dabhol Power Co.) 2015 9051.27
27 Bhadravati TPS (M/s.Central India Power) 1072 4630.90
28 Patalganga CCGT (M/s Reliance Patalganga Power) 447.1 1379.181

Andhra Pradesh

29 Jegurupadu CCGT (M/s. GVK Industries) 216 816
30 Godavari CCGT (M/s. Specturam Tech.) 208 748.43
31 Vizag TPS (M/s. HNPCL) 1040 4628.11
32 Ramagundam Extn.(M/s BPL Group) 520 2384.57
33 Kondapally CCGT(Lanco Industries Ltd.) 350 1035.471
34. Krishnapatnam `B` TPP (BBI Power Krishnapatnam Co.) 520 2221.329
35. Vemagiri CCGT (Ispat Power Limited) on ICB route 492 1679.907

Karnataka

36 Toranagallu TPS (M/s.Jindal Tractebel) 260 1093.86
37 Mangalore TPS (M/s. Cogentrix) 1013.2 4253.399
38 Nagarjuna TPP (M/s Nagarjuna Power Corporation Ltd.) 1015 5495.99
39 Bangalore CCPP (M/s. Peenya Power) 107.6 390.593

Tamil Nadu

40 Neyveli TPS - Zero Unit (Ms. ST-CMS) 250 1200
41 Pillaiperumalnallur CCGT(M/s PPN Power) 330.5 1121.70
42 North Madras TPS-II(M/s.Videocon Power) 1050 4423.80
43 Basin Bridge DGPP (M/s. GMR Vasavi) 200 756.77
44 Tuticorin TPP St. IV (M/s. SPIC) 525 2324.10
45 Samayanallur DGPP (M/s Balaji Power Corp. Ltd.) 106 384.221
46 Samalpatti DGPP(M/s Samalpatti Power Co.) 106 391.863
47 North Madras TPP(M/s Tri-Sakthi Energy Private Limited) 525 2246.77
48 Cuddalore TPP (M/s Cuddalore Power Company) 1320 6379.157
49 Vembar CCGT (M/s Indian Power Projects Limited) 1873 5060.165

Kerala

50 Vypeen CCGT(M/s Siasin Energy Pvt. Ltd.) 679.2 1964.3
51. Kannur CCGT (M/s Kannur Power Projects Ltd.) 513 1470

Orissa

52 Ib Valley TPS (Units 5 &6) (AES IB Valley Cor.) 500 2369.48
53 Duburi TPPUnits 1 & 2 (Kalinga Power Corporation) 500 2191.534

West Bengal

54 Balagarh TPS (M/s. Balagarh Power Com.) 500 2234.69
55 Bakreshwar TPP (Bakreshwar Power Gen. Co. Ltd) 420 1621.588
56 Gouripore TPP (Gouripore Power Company) 150 659.442

Bihar

57 Jojobera TPP (M/s Jamshedpur Power Co.) 240 1025.19

Annexure-II

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF STARRED QUESTION NO.111 TO BE ANSWERED IN THE LOK SABHA ON 27.11.2000 REGARDING PRIVATE INVESTMENT IN POWER SECTOR.

Sl.No.	Name of Proj/ Promoters	Capcity (MW)	State (District)	Commissioning Schedule as per FFP	Estimate Cost
1.	P.P.Nallure CCPP by M/s.PPN Power Gen.Company	330.5	T.N (Tanjavur)	3/2001	US$177.48 m + Rs.524.81 Crs. (1US$=Rs.33.5)
2.	Kondapalli CCPP By M/s.Kondapalli Power Corp.	355.0	A.P.(Krishna)	GT1 : 1/2000 GT2 : 3/2000 ST : 8/2000	US$178.636 m + Rs.384.441 Crs. (1US$ = Rs.36)
3.	Samalpatti DGPP By M/s. Samalpatti Power Co.	106.0	Tamil Nadu (Dharmapuri)	14-17 months from F.C.	US$ 55.978 m + Rs.172.508 Crs. (1US$ = Rs.39)
4.	Maheshwar HEP By M/s.SMHPCL	400	M.P.(Khargone)	2003-04	US$211.68 m + Rs.921.665 Crs. (1US$=Rs.35.5)
5.	Malana HEP by M/s.Malana Power Co.Ltd.	86	H.P.(Kullu)	5 years after Fin. Closure	Rs.332.711

Abbreviations

CCPP : Combined Cycle Power Project
DGPP : Diesel Generating Power Project
SMHPCL : Sree Maheshwar Hydel Power Corporation Limited
GT : Gas Turbine
ST : Steam Turbine
FC : Financial Closure

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF STARRED QUESTION NO.111 TO BE ANSWERED IN THE LOK SABHA ON 27.11.2000 REGARDING PRIVATE INVESTMENT IN POWER SECTOR.

Private Power Projects accorded techno-economic clearance of Central Electricity Authority which have been fully commissioned

S.N.	NAME OF THE PROJECT	CAP (MW)	Estimated completed cost as per techno-economic clearance of CEA
	Gujarat		
1	Paguthan CCGT(M/s Gujarat Power Gen Energy Corporation Limited)	654.7	Rs.2298.14 crores
2	Hazira CCGT (M/s. Essar Power Ltd.) (ER Rs.31.50/- =1US$)	515.0	US$ 284.35 M + Rs.770.87 crores
3	Baroda CCGT (M/s. Gujarat Industries Power Corporation Limited)	167.0	Rs.368.22 crores
4	Surat Lignite TPP (M/s. Gujarat Industries Power Corporation Limited) (ER 1 US$=Rs.35/-, 1 DM=Rs.23/-)	250.0	US$44.538 M + DM4.92 M + Rs.999.99 crores
	Maharashtra		
5	Dabhol CCGT-Phase-I(M/s.Dabhol Power Co.)	740	Rs.9051.27 crores (for both phase-I and Ph-II of 1440MW)
	Andhra Pradesh		
6	Jegurupadu CCGT (M/s. GVK Industries Limited)	216	Rs.827.0 crores
7	Godavari CCGT (M/s. Spectrum Power Generation Limited)	208	Rs.748.43 crores
	Karnataka		
8	Toranagallu TPS (M/s.Jindal Tractebel Power Company Limited)	260	US$ 106.87 M + Rs.725.16 Crores
	Tamil Nadu		
9	Basin Bridge DGPP (M/s. GMR Vasavi Power Corporation Limited)	200	US$ 125.82 M +Rs.328.99 crores
10	Kondapalli CCGT of M/s.Lanco Kondapalli Power Corporation	350	US$ 180.616+ Rs. 385.254 crores

ANNEXURE-IV

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF STARRED QUESTION NO.111 TO BE ANSWERED IN THE LOK SABHA ON 27.11.2000 REGARDING PRIVATE INVESTMENT IN POWER SECTOR.

Private Power Projects accorded techno-economic clearance of Central Electricity Authority which are under construction

S.N Name of Project Cap. State Promoter Remarks
(MW)

Private Power Projects

1. Dabhol CCGT-Phase II 1440 Maharashtra M/s Dabhol Power Co.
2 Jojobera TPP 240 Bihar M/s Jamshedpur Power Co. Partially
commissioned (120 MW).
3 Maheshwar HEP 400 Madhya Pradesh M/s Shri Maheshwar Hydel Power
Corporation Limited
4 Baspa-II HEP 300 Himachal Pra M/s Jaiprakash Hydro Power Limited
5 Pillaiperumalnallur 330.5 Tamil Nadu M/s PPN Power Generating Company
CCGT
6 Vemagiri CCGT (Naphtha) 492 Andhra Pradesh M/s Ispat Power Limited
7 Neyveli TPP 250 Tamil Nadu M/s ST-CMS electric Company
8 Malana HEP 86 Himachal Pra M/s Rajasthan Spinning & Weaving
Mills Limited
9 Samayanallur DGPP 106 Tamil Nadu M/s Balaji Power Corporation
Private Limited
10 Samalpatti DGPP 106 Tamil Nadu M/s Samalpatti Power Company
private Limited
11 Ratlam DGPP 118.63 Madhya Pradesh GVK Power (Ratlam) Limited
12 Ramagundam TPP 520 Andhra Pradesh BPL Power Projects

ANNEXURE-V

ANNEXURE REFERRED TO IN REPLY TO PARTS (d) & (e) OF
STARRED QUESTION NO.111 TO BE ANSWERED IN THE LOK
SABHA ON 27.11.2000 REGARDING PRIVATE INVESTMENT IN POWER SECTOR.

Private Power Projects for which Detailed Project Reports have been
received in Central Electricity Authority for accord of techno-economic
clearance

Sl.No.
Name of the project/Promoters
State
Capacity (MW)
Estimated completed cost (Rs.in crores)
Pending inputs
Action taken by CEA

1. Dhamwari Sunda HEP (M/s Dhamwari Power Company Ltd.
Himachal Pradesh
70
563.03
i. Tentative financial package
ii. Forest clearance for transmission lines.
iii. Power evacuation beyond Maliana Sub-station
iv. Compliance to the comments on legal aspects.
In-principle clearance (IPC) issued on
31.3.96.- Cost estimates received in 9/99 are under examination of CEA/CWC
-Considered by Standing Project Appraisal Committee (SPAC) on 13.3.2000
and it was decided to sort out a number of issues before the project is
recommended for TEC

2 Jawaharpur TPP (M/s Jawaharpur Power India Ltd)
Utta Pradesh
800
3810.14
i. State Government recommendations on DPR/ cost
ii. Corrigendum for cost under Section 29 (2) of Electricity (Supply) Act, 1948
iii. Clarifications on tentative financial package
IPC issued on 16.8.1995. Proposal not recommended for TEC. To be reconsidered
after pending issues are sorted out and cost is reduced substantially.

3 Rajgarh CCGT (M/s. Alpine Power System Ltd),
Madhya Pradesh

343.48
1128.78
i. Compliance of Section 29 (2) of the Electricity (Supply) Act,
1948 corrigendum for revised capacity and cost, report u/s. 29(3) awaited
ii. State Government consent u/s 18A for authorisation to revised capacity
iii. Power evacuation system and number of outlets in switchyard
iv. Revalidated fuel transport clearance
v. Fuel linkage for revised capacity of 343.48 MW
To be considered for TEC after pending inputs / clearances are tied up.

4 Jhabua CCGT (M/s. Kedia Power Ltd)
Madhya Pradesh
360
1365.768
i. Compliance of Section 29(2) of Electricity (Supply) Act, 1948
corrigendum for revised capacity and cost; report u/s 29(3) from State Government awaited
ii. State Government consent u/s 18A for revised capacity
iii. Ministry of Environment & Forests (MoEF) and State
Pollution Control Board (SPCB) clearance for submergence of 194.33 Ha of land
iv. Fresh approval from Government of M.Pradesh for drawal of 8.63 cu.m. of consumptive water
v) Confirmation of power absorption by GOMP Meeting held with IPP on 12.11.1999. The
company intimated to keep the project capacity as 330 MW. Company have been
asked to submit revised DPR upto 31.12.2000.

5. Hassan CCP (M/s. Hassan Power Supply Co Ltd)
Karnataka
189
715.62
i. Resolution of water availability by CWC from inter State angle.

Considered by CEA for TEC on 28.5.1999.
Scheme will be reconsidered after hard cost
is reduced by IPP by Rs.51 crores in addition
to Rs.20 crores already reduced by them and
reduction of soft cost to a reasonable level.

6. Nanjangud CCPP (T) (M/s. IPS Power Co)
96.7
US$52.26 M + Rs.154.916 crore
i. Resolution of water availability by CWC from inter State angle
ii. Finalisation of hard cost IPC issued on 31.3.1996. Considered by CEA for TEC on 26.2.1999.

7. Mandya CCPP (M/s. Mandya Power Partners Pvt. Ltd)
164.4
674.775
i. Compliance of Section 29(2) - corrigendum for revised
capacity & cost in Gazette
ii. Water availability (Central & State)
iii. Extension of validity of fuel linkage and transfer of fuel linkage in favour
of Generating company.
iv. Fuel transport
v. MoEF clearance - revalidation for revised capacity
vi. Financial package.
vii. Power evacuation system
Proposal returned by CEA on 1.5.2000 for
want of pending inputs / clearances.

8. Telgi (Bijapur) TPP (M/s. KEI Energy Pvt Ltd
350
1597.7
IPC issued on 30.3.1996. Considered by SPAC on 16.3.1999. Not recommended for techno-economic
clearance as cost is not properly structured and equipment and service costs are not indcated
in the reasonable proportion.

9 Srimushnam Lignite TPP (M/s. TICAPCO)
250
1451
i. Water availability
ii. State Government recommendation on DPR and cost
iii. Approval of Ministry of Coal for mining plan
Considered in pre-SPAC meeting on 16.11.1999.

10. Krishnapatnam `A` TPP (M/s. GVK Power Krishnapatnam Ltd)
520
US$377.56
M +
Rs.1089.72
9 Crores
i. Coal linkage & transportation
ii. Revalidated MoEF clearance for revised capacity
iii. Compliance of Section 29(2) & 29(3).
iv. Firmed completed cost.
v. State Government authorisation under Section 18(A)
vi. Environment (SPCB) clearance for proposed Jetty.
vii. Revalidated NOC of Airports Authority of India Ltd.
viii. CWC clearance.
Proposal returned by CEA on 20.4.2000
for want of pending inputs / clearances.

11 Upper Krishna HEP (M/s Chamundi Power Corp)
1146
US$ 213.9
M+ Rs.941
crores
i. Compliance of Section 18-A of E(S) Act, 1948
ii. Compliance of Section 29 of the said Act.
iii. Certificate from state authorities regarding availability of land and water.
iv. Clearance from Forests, Environment and Re-settlement & Rehab. Plan Angles from MOE&F.
v. Final clearance from CWC regarding inter-State water
aspects
vi. Submission of final cost estimates.
vii. Submission of complete DPR alongwith capital cost and
tentative financial package for the remaining power station
Stage-II with installed capacity of 849 MW between Narainpur
Barrage and Tamanakal.
Proposal returned by CEA on 20.4.2000
for want of pending inputs / clearances.

12 Allain Duhangan
HEP (M/s
Rajasthan
Spinning &
Weaving Mills)
192
730.33
MOEF clearance. Finalisation of beneficiary of power, power
evacuation, financial aspects, implementation agreement,
clearance of `APPROACH` by CWC, Authorisation of State
Government u/s 18A. Clearance from Design aspects,
clearance of cost estimates.
Proposal returned on 23.3.2000 for want of
pending inputs / clearances.

13 Karcham Wangtoo HEP (M/s Jaiprakash Industries Ltd)
1000
3875.11
MOEF clearance, State Forest Department clearance, R&R
programme, tentative financial package, land availability, water
availability (S&C), compliance of Section 29(2) & (3) of E(S)
Act.
Proposal returned on 5.7.2000 for want of
pending inputs / clearances.

14 New Delhi TPS (M/s Apollo Energy Co. Pvt Ltd)
350
US$
468.61M +
Rs.156.98
crores)
Land availability. State Government consent u/s 18A, State
Government recommendation of cost/ DPR, compliance of sec
29(2)-corrigendum for revised capacity and cost, NOC of
SPCB, MOEF clearance, Power evacuation arrangement and
outlets in S/Yard, report u/s 29(3) awaited.
Proposal returned on 19.11.1998 for want of
pending inputs / clearances.

15 Surat Lignite Power Project Ext.Ph.II (M/s GIPCL)
250
1145.29
Clearances are land availability, fuel linkage, water availability

(S&C), NOC of SPCB, NOC of State Env.deptt., NOC of NAA.
Proposal returned on 23.10.2000 for want of
pending inputs / clearances.

16 Korba(west) TPP (M/s RPG Korba West Power Co.Ltd)
520
2137.14
Clearances are CWC`s clearance on water availability, fuel
linkage, state government consent u/s 18A
Proposal returned on 21.5.1997 for want of
pending inputs / clearances.

17 Bangalore TPP (M/s Pulakeshi Power Co.)
500
2372.55
State Government recommendation of DPR/cost fuel
linkage/transport, compliance of section 29(2), NOC of SPCB,
MOEF clearance, firmed completed cost, power evacuation
system, water availability (S&C), NOC of NAA, State
Government authorisation U/S 18A
Proposal returned on 18.12.1997 for want of
pending inputs / clearances.

18 Mean Shivapur Konnur LNG based CCPP (M/s Wescopower Gen.Ltd)
500
1659.2
State Government recommendation of DPR/cost, clearance
from MOD, compliance of sec 29(2), MOEF clearance, firmed
completed cost, tentative financial package, water availability

(S&C), NOC of NAA, State Government authorisation U/S 18A
Proposal returned on 6.9.1999 for want of
pending inputs / clearances.

19 Kasargod CCGT (M/s Finolex Energy Corporation)
459
1398.43
Land availability, fuel availability/transportation, compliance of
Sec.29(2) in local newspaper, State Government authorisation
u/s 18A for revised capacity, firm completed cost, State
Government recommendation of DPR / cost, State
Government consent for use and import of condensate as fuel
in place of naphtha, power evacuation system
Proposal returned on 19.6.1997 for want of
pending inputs / clearances.

20 Kattupalli CCPP (M/s Chennai Power Gen Ltd)
1000
US$
662.21M+
Rs.1513.14
crores
Clearances are fuel availability/transportation, compliance of
Sec 29(2), State Government authorisation u/s 18A, firm
completed cost, power evacuation system, NOC of SPCB for
condensate as back up fuel, MOEF clearance.
Proposal returned on 27.3.2000 for want of
pending inputs / clearances.